

input image source 10  
 extract the breast region 12  
 output mountain-view presentation 16  
 decomposition filter bank 14  
 tone scale curve 18  
 contrast weight control 22  
 reconstruction filter bank 24  
 output image 26

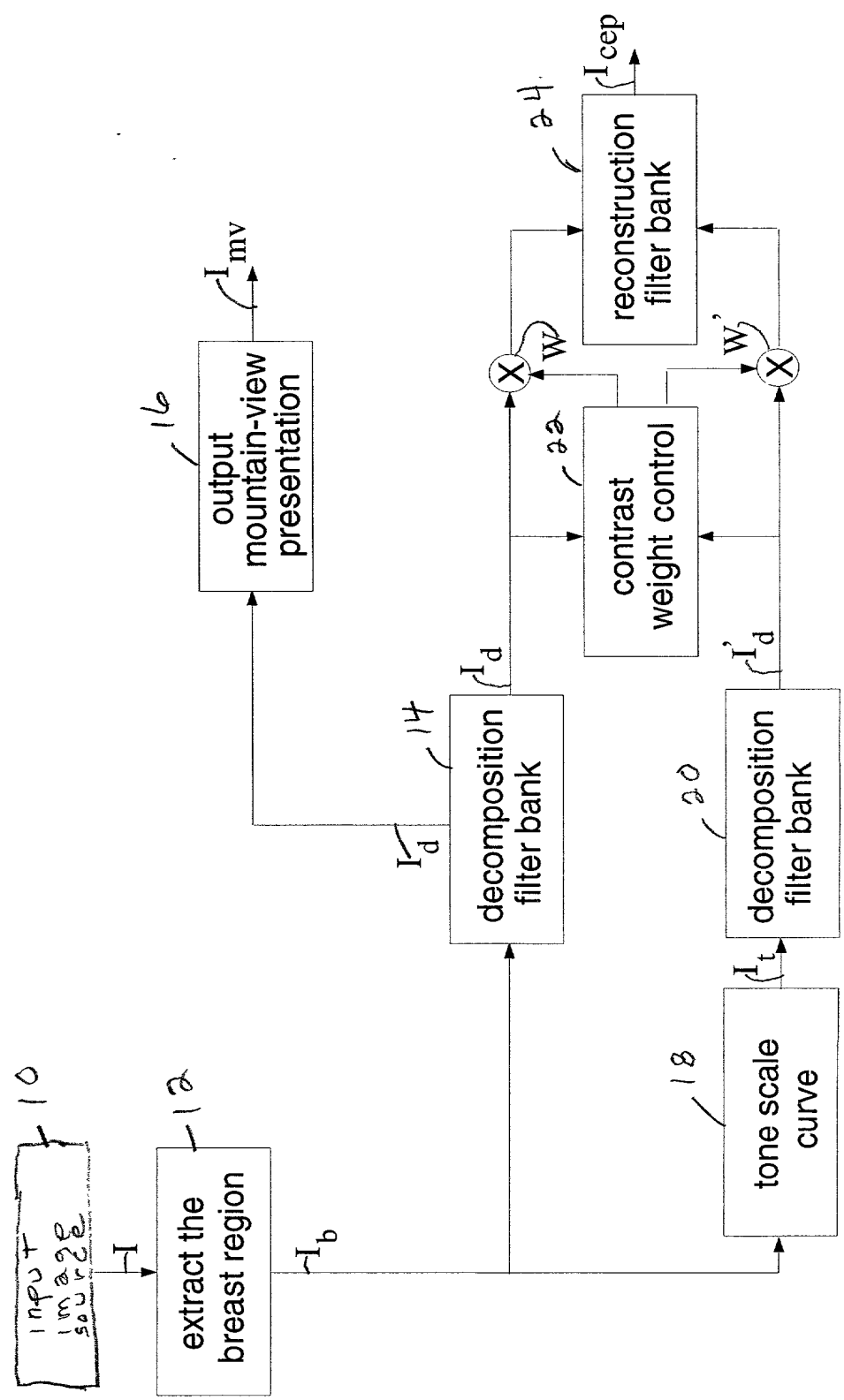


Fig. 1

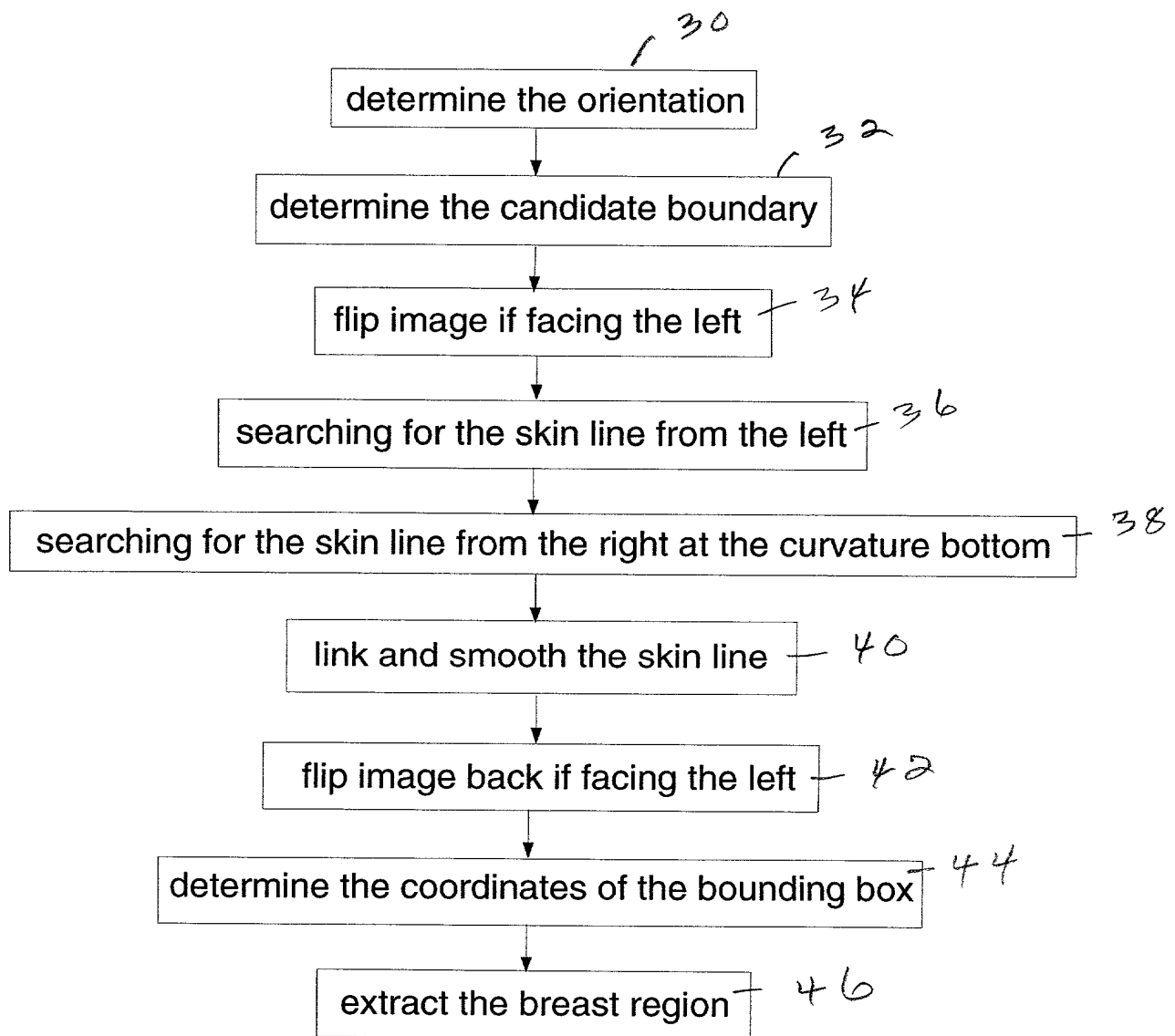


Fig. 2

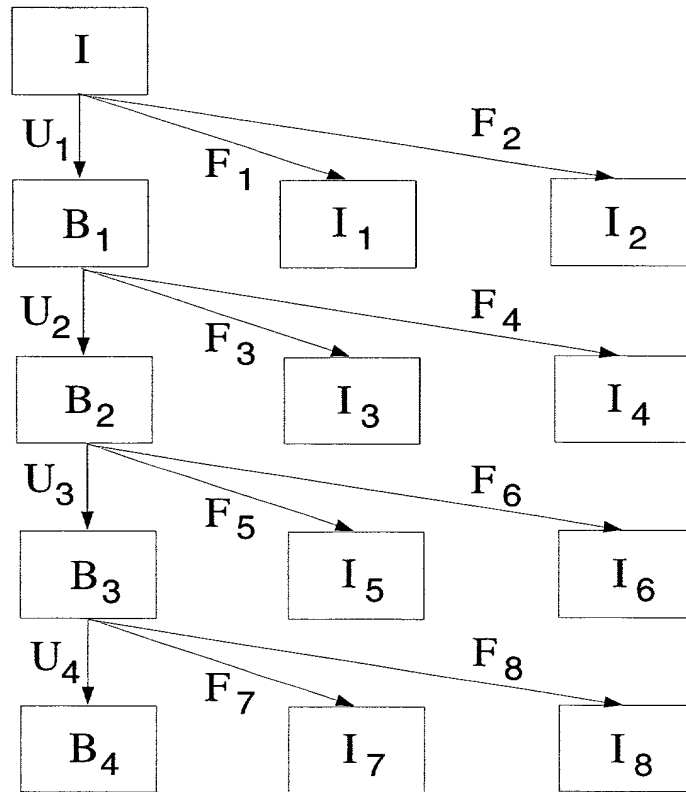


Fig. 3a

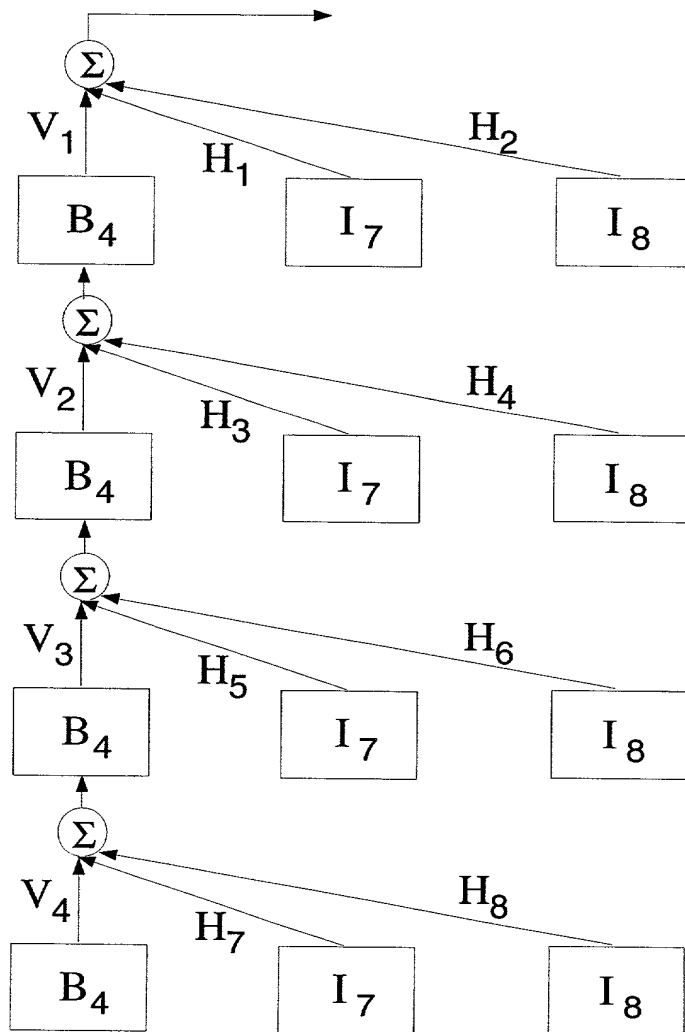


Fig. 3b

N	-4	-3	-2	-1	0	4	3	2	1
* $s(n)$	0	0	1	4	6	4	1	0	0
* $r(n)$	0	0	0	1	-1	0	0	0	0
* $p(n)$	0	0	1	4	6	4	1	0	0
* $q(n)$	0	-1	-9	-37	-93	93	37	9	1
* $\ell(n)$	1	8	28	56	326	56	28	8	1

Fig. 4

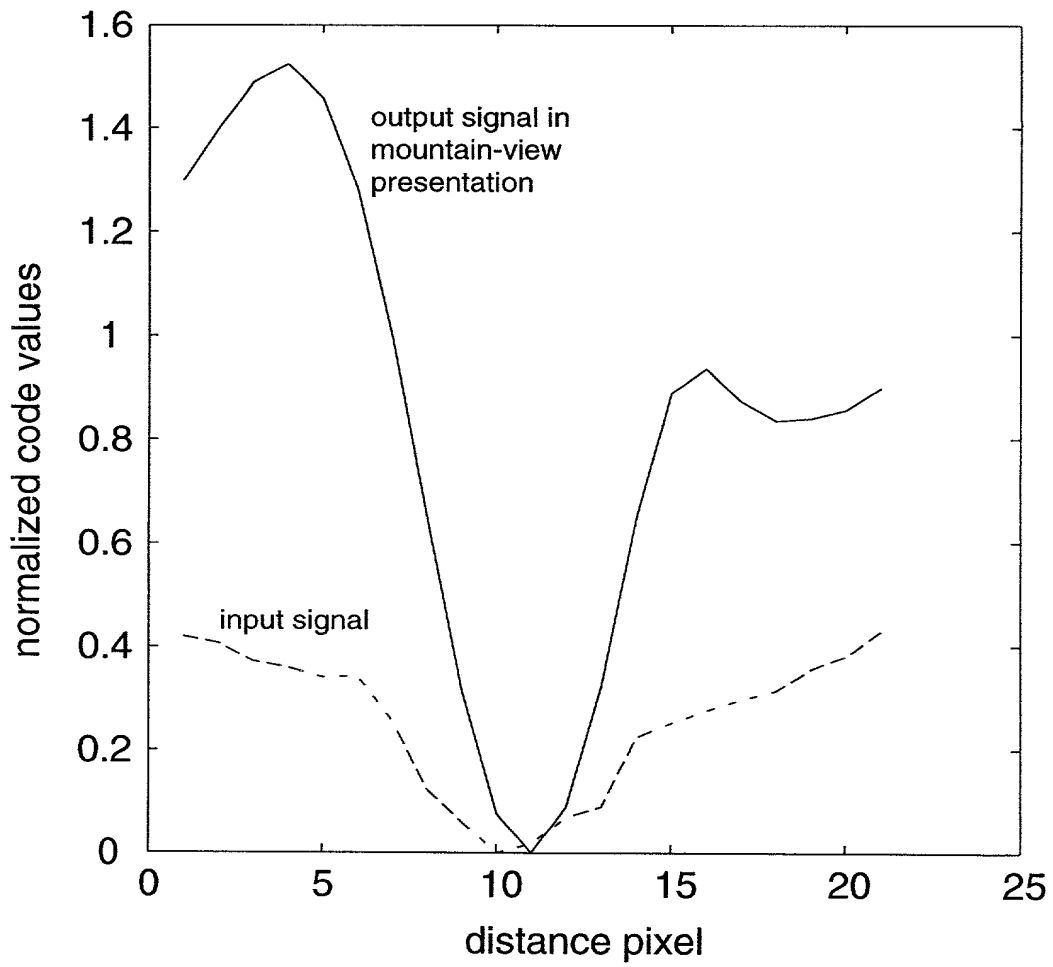


Fig. 5

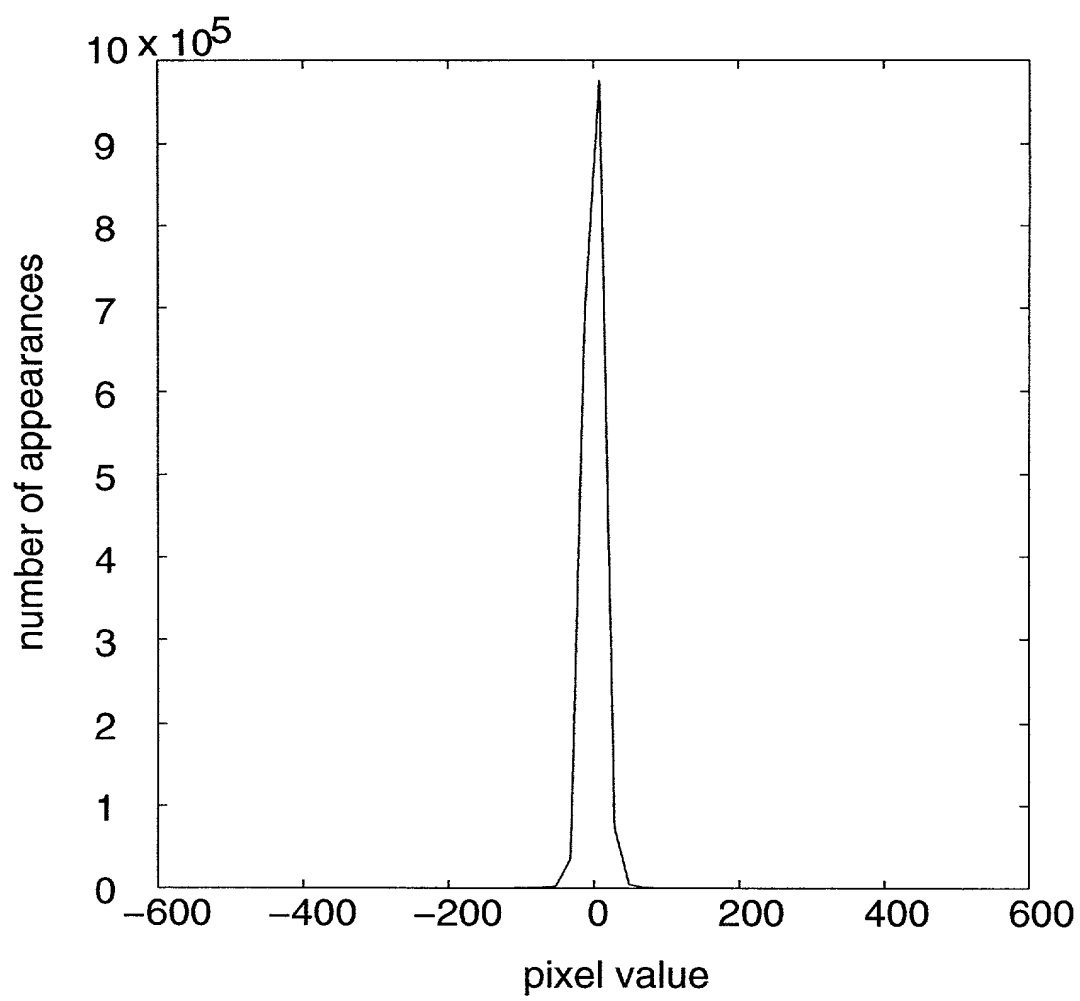


Fig. 6

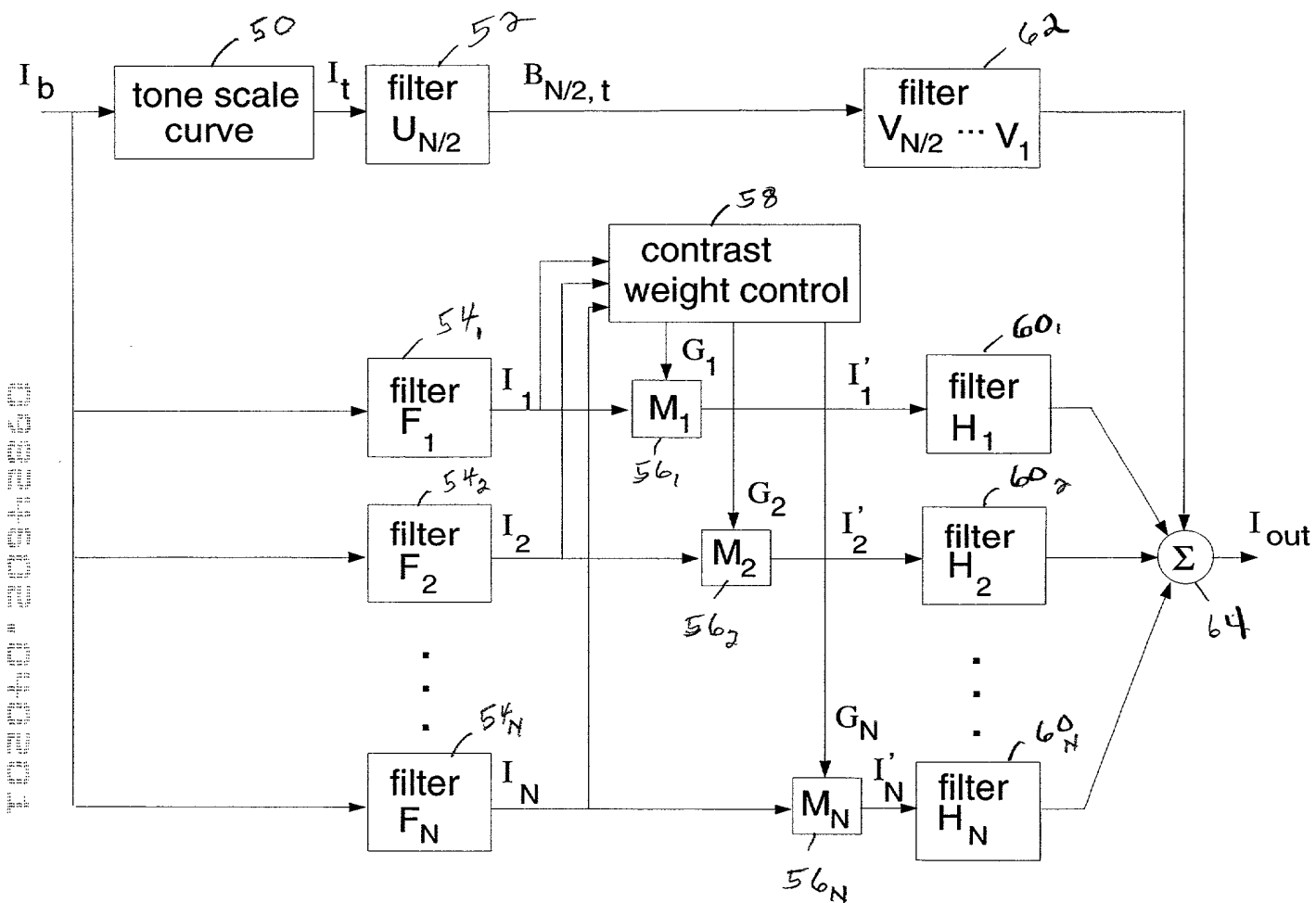


Fig. 7a



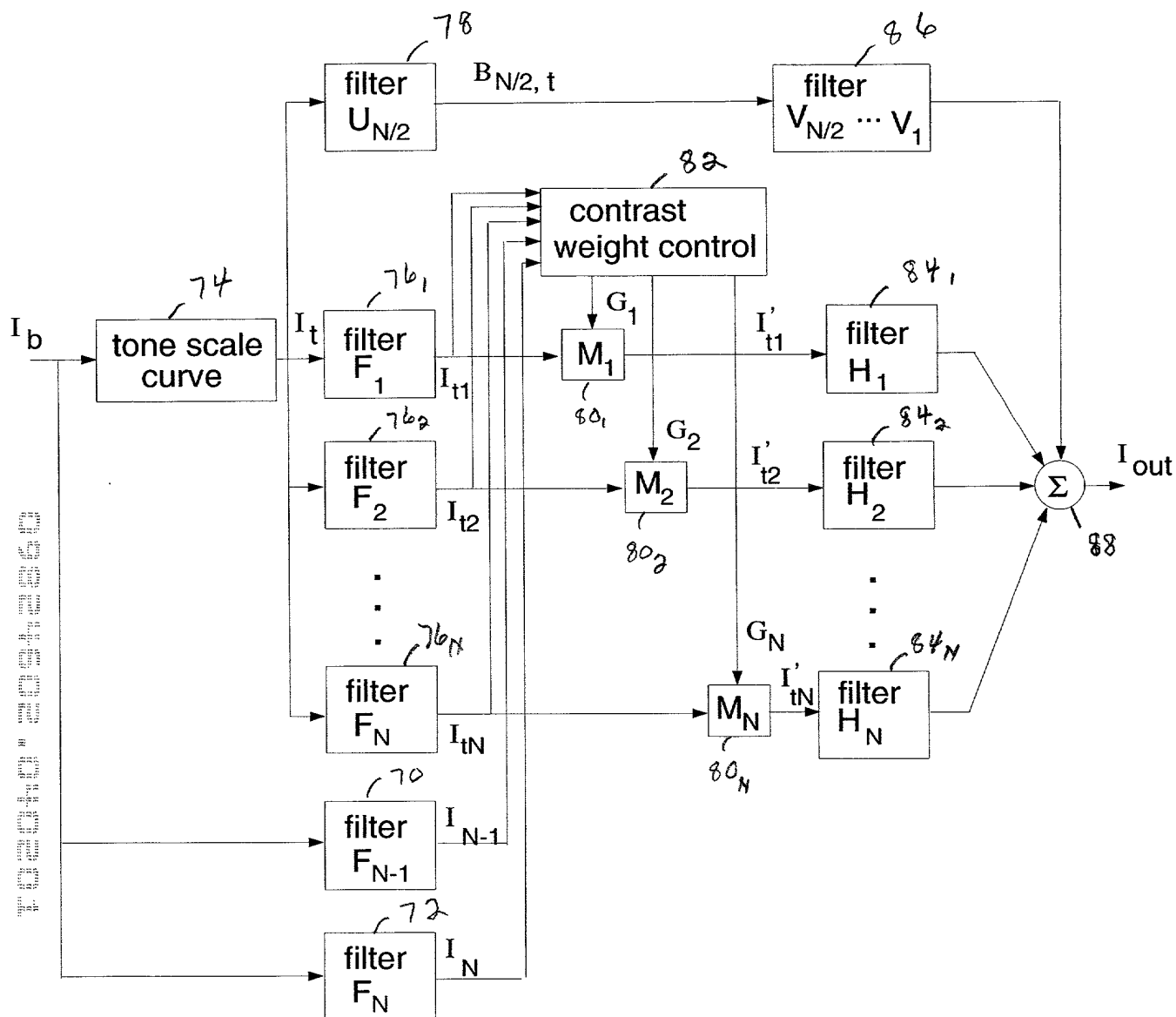


Fig. 7b

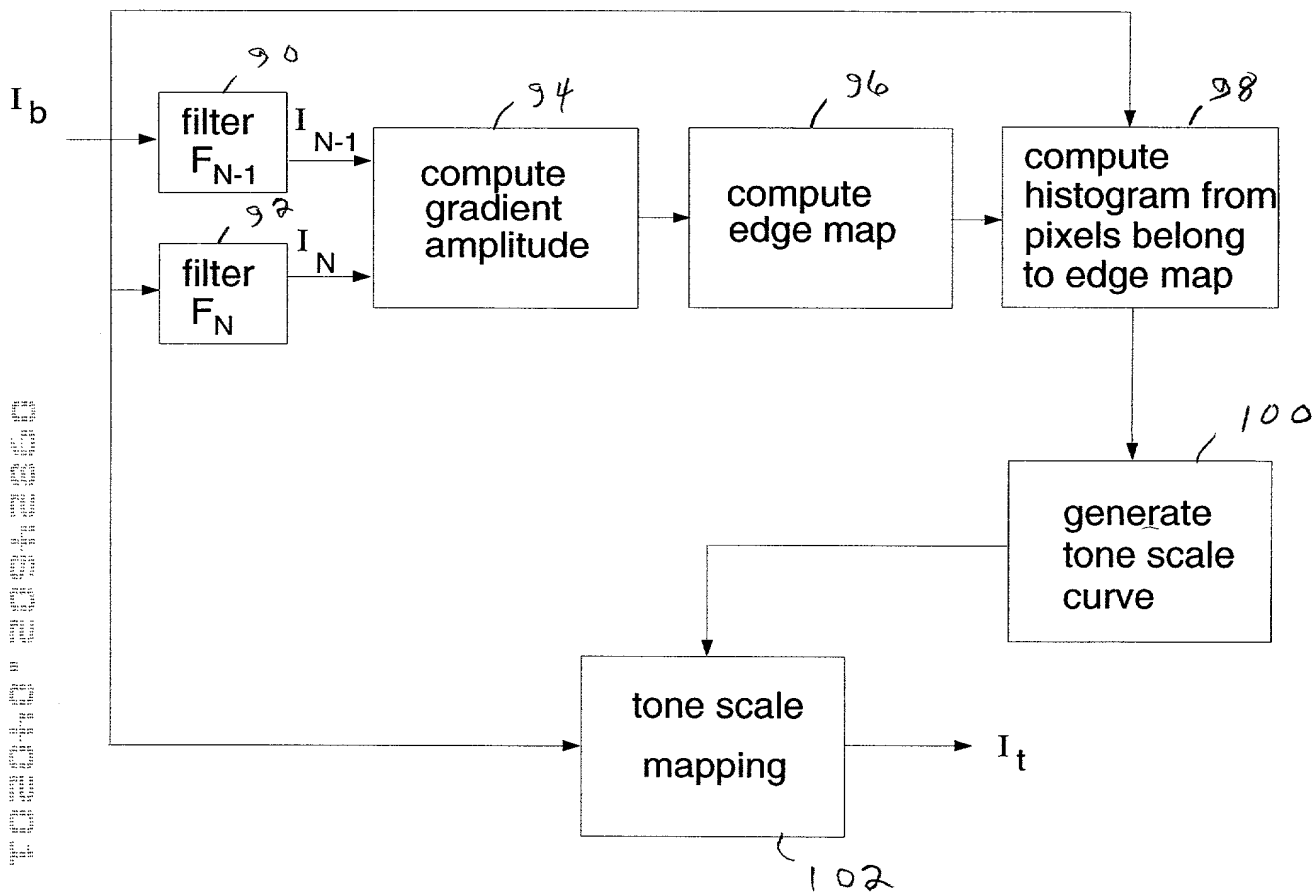


Fig. 8

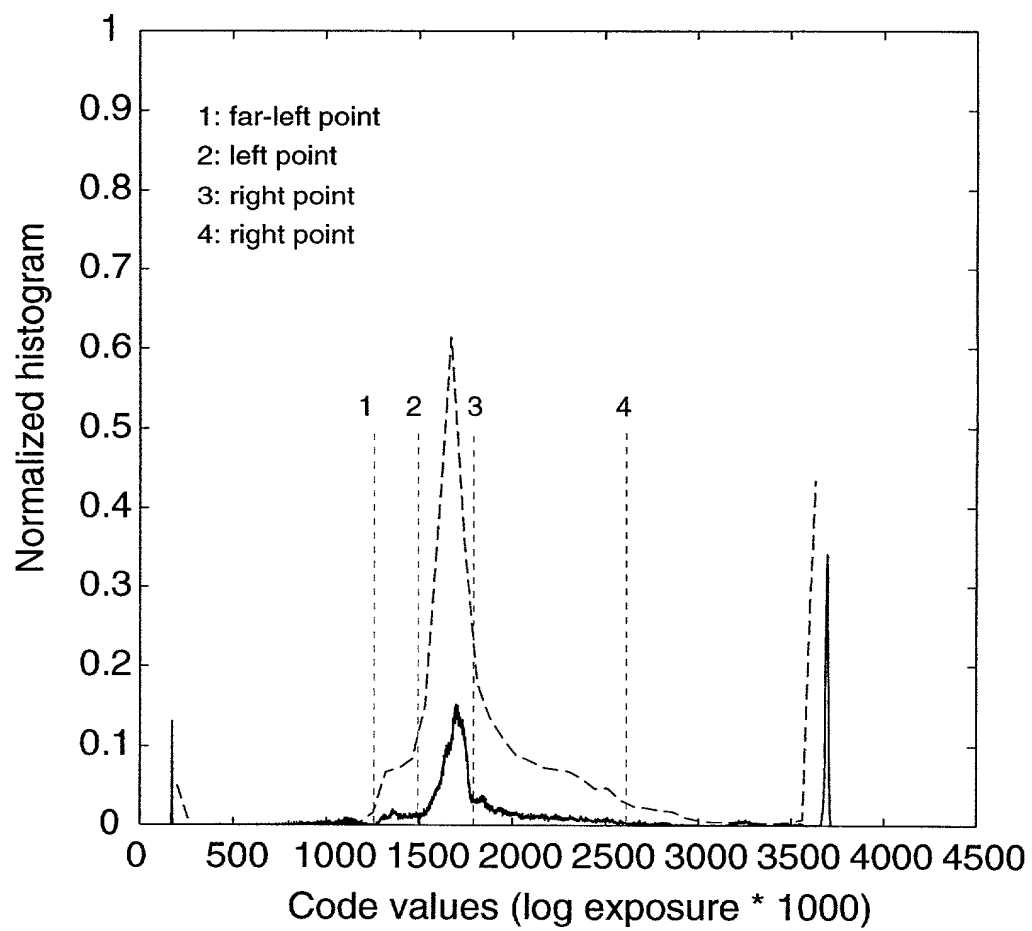


Fig. 9

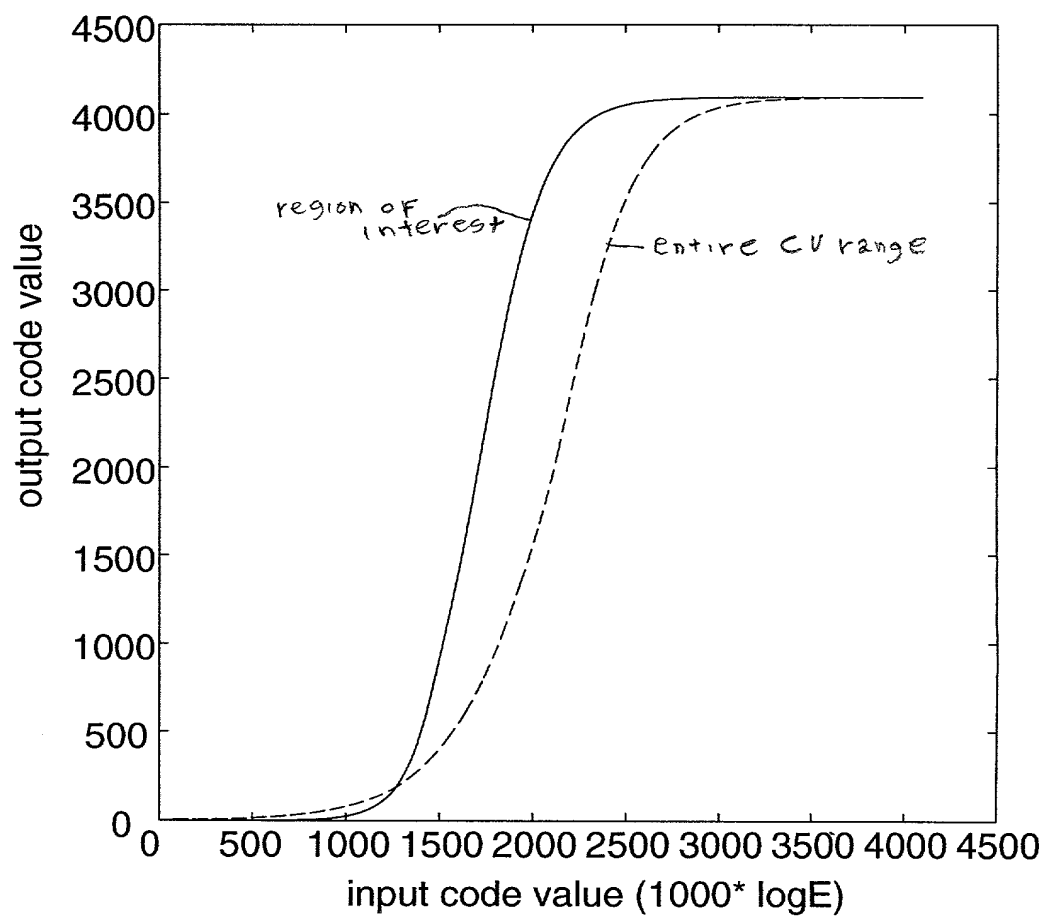


Fig. 10

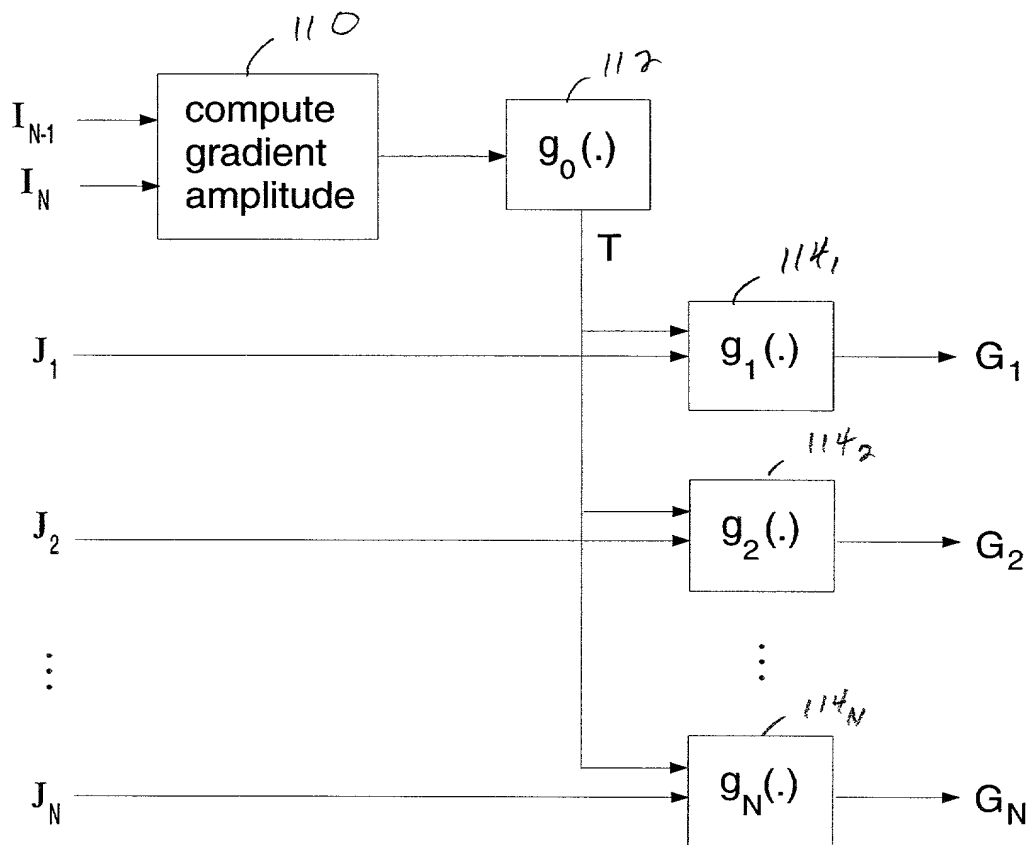


Fig. 11

## Combined Declaration For Patent Application and Power of Attorney

ATTORNEY DOCKET  
82297WFN

As below named inventor, I hereby declare that:

My residence, post office address and citizenship are as stated below next to my name,

I believe I am the original, first and sole inventor (if only one name is listed below) or an original, first and joint inventor (if plural names are listed below) of the subject matter which is claimed and for which a patent is sought on the invention entitled:

**METHOD FOR IMPROVING BREAST CANCER DIAGNOSIS USING MOUNTAIN-VIEW  
AND CONTRAST-ENHANCEMENT PRESENTATION OF MAMMOGRAPHY**

The specification of which (check only one item below):

☒ is attached hereto.☐ was filed as United States Application Serial No. on and  
was amended on (if applicable).☐ was filed as PCT international application Number on and was amended under PCT Article 19 on (if applicable).

I hereby state that I have reviewed and understand the contents of the above-identified specification, including the claims, as amended by any amendment referred to above.

I acknowledge the duty to disclose to the U.S. Patent &amp; Trademark Office all information known to me to be material to patentability as defined in Title 37, Code of Federal Regulations, §1.56.

I hereby claim foreign priority benefits under Title 35, United States Code, §119 of any foreign application(s) for patent or inventor's certificate or of any PCT international application(s) designating at least one country other than the United States of America listed below and have also identified below any foreign applications(s) for patent or inventor's certificate or any PCT international application(s) designating a least one country other than the United States of America filed by me on the same subject matter having a filing date before that of the application(s) of which priority is claimed:

**PRIOR FOREIGN/PCT APPLICATION(S) AND ANY PRIORITY CLAIMS UNDER 35 U.S.C. 119:**

COUNTRY (if PCT, indicate PCT)	APPLICATION NUMBER	DATE OF FILING (day month year)	PRIORITY CLAIMED UNDER 35 USC §119			
			<input type="checkbox"/>	YES	<input type="checkbox"/>	NO
			<input type="checkbox"/>	YES	<input type="checkbox"/>	NO
			<input type="checkbox"/>	YES	<input type="checkbox"/>	NO

I hereby claim the benefit under Title 35, United States Code, 119 §(e) of any United States provisional application(s) listed below:

**PRIOR PROVISIONAL APPLICATION(S) AND ANY PRIORITY CLAIMS UNDER 35 U.S.C. §119 (e):**

PROVISIONAL APPLICATION NUMBER	FILING DATE

I hereby claim the benefit under Title 35, United States Code, §120 of any prior United States application(s) or PCT international application(s) designating the United States of America that is/are listed below and, insofar as the subject matter of each of the claims of this application is not disclosed in that/those prior application(s) in the manner provided by the first paragraph of Title 35, §112, I acknowledge the duty to disclose to the U.S. Patent &amp; Trademark Office all information known to me to be material to patentability as defined in Title 37, Code of Federal Regulations §1.56, which became available between the filing date of the prior application(s) and the national or PCT international filing date of this application:

**PRIOR US APPLICATIONS OR PCT INTERNATIONAL APPLICATIONS DESIGNATING THE U.S FOR BENEFIT UNDER 35 USC §120:**

U S APPLICATIONS			STATUS (Check one)		
U S APPLICATION NUMBER	U S FILING DATE		PATENTED	PENDING	ABANDONED
PCT APPLICATIONS DESIGNATING THE U S					
PCT APPLICATION NO	PCT FILING DATE	U S SERIAL NUMBERS ASSIGNED (if any)			